

Draft Environmental Review Summary

PART 1. PROJECT DESCRIPTION							
WIN U40561B	SR (WIN) 405	OTHER SR(S)? <input type="checkbox"/>	REGION NWR	COUNTY King	RECORD CREATED 11/03/2005	DATE FORM REVISED 11/15/2004	
PIN 840561A	Title (WIN): I-405/SR 520 to SR 522, Stage 2					TOWNSHIP	
	Type of Work: Interim Improvements					RANGE	
	BEGIN (WIN) KP _____ MP _____	END (WIN) KP _____ MP _____	CENTERLINE LENGTH KM _____ Miles _____		WITHIN PUGET SOUND BASIN? Yes	WATER RESOURCE INVENTORY AREA (WRIA) NO. & NAME	
PART 2. PERMITS AND APPROVALS REQUIRED							
Permit or Approval				Permit or Approval			
<input checked="" type="radio"/> Yes <input type="radio"/> No Corps of Engineers <input type="checkbox"/> Section 404 <input type="checkbox"/> Section 10 COE Type: <input type="checkbox"/> Individual <input type="checkbox"/> Nationwide Individual Permit #: Nationwide Type:				<input checked="" type="radio"/> Yes <input type="radio"/> No Nat. Pollutant Discharge Elimination System (NPDES) Baseline General for Construction <input type="checkbox"/> Stormwater Site Plan <input type="checkbox"/> Temporary Erosion Sediment Control Plan (TESC)			
<input type="radio"/> Yes <input checked="" type="radio"/> No Coast Guard				<input type="radio"/> Yes <input checked="" type="radio"/> No Shoreline Permit			
<input type="radio"/> Yes <input checked="" type="radio"/> No Coastal Zone Management Certification				<input type="radio"/> Yes <input checked="" type="radio"/> No State Waste Discharge Permit			
<input checked="" type="radio"/> Yes <input type="radio"/> No Critical Area Ordinance (CAO) Permit				<input type="radio"/> Yes <input checked="" type="radio"/> No Temporary Modification of Water Quality (TWQM) standards			
<input type="radio"/> Yes <input checked="" type="radio"/> No Flood Plain Development Permit				<input type="radio"/> Yes <input checked="" type="radio"/> No Tribal Permit(s) (Any)			
<input type="radio"/> Yes <input checked="" type="radio"/> No Forest Practices Approval				<input type="radio"/> Yes <input checked="" type="radio"/> No Section 4(f)/6(f): Wildlife Refuges, Recreation Areas, Historic Properties			
<input checked="" type="radio"/> Yes <input type="radio"/> No Hydraulic Project Approval				<input type="radio"/> Yes <input checked="" type="radio"/> No Water Use Permit			
<input checked="" type="radio"/> Yes <input type="radio"/> No Local Building or Site Development Permits				<input checked="" type="radio"/> Yes <input type="radio"/> No Water quality certification — Sec. 401 Issued By:			
<input type="radio"/> Yes <input checked="" type="radio"/> No Local Clearing & Grading Permits				Other Permits			
<input checked="" type="radio"/> Yes <input type="radio"/> No Nat. Historic Preservation Act - Section 106				<input checked="" type="radio"/> Yes <input type="radio"/> No List: Endangered Species Act Consultation Temporary Air Pollution Noise Permits			
<input checked="" type="radio"/> Yes <input type="radio"/> No (NPDES) Municipal Stormwater Discharge							
PART 3. ENVIRONMENTAL CLASSIFICATION							
NEPA				SEPA			
<input type="checkbox"/> Categorically excluded per 23 CFR 771.117()				<input type="checkbox"/> Categorically exempt per WAC 197-11-800			
<input type="checkbox"/> Documented CE (DCE)				<input checked="" type="checkbox"/> Determination of Non-Significance (DNS)			
<input checked="" type="checkbox"/> Environmental Assessment (EA)				<input type="checkbox"/> Environmental Impact Statement (EIS)			
<input type="checkbox"/> Environmental Impact Statement (EIS)				<input type="checkbox"/> Other Action <input type="checkbox"/> Adoption			
<input type="checkbox"/> Supplemental EIS (SEIS)				<input type="checkbox"/> Addendum			
APPROVAL SIGNATURES							
REGIONAL ENVIRONMENTAL MANAGER				REGIONAL ENVIRONMENTAL CONTACT			
				Christina Martinez			
FEDERAL HIGHWAY ADMINISTRATION (FOR ECS USE ONLY)				COMPLETED BY			
				Christina Martinez			
				Telephone: (425) 456-8526 FAX: (425) 456-8600			

PART 4. ENVIRONMENTAL CONSIDERATIONS

WIN U40561B

Will the project involve work in or affect any of the following? Identify proposed mitigation. Attach additional pages or supplemental information if necessary.

1. Air Quality Identify any anticipated air quality issues.Is project included in Metropolitan Transportation Plan? ☒ Yes ☐ NoLocated in an Air Quality Non-Attainment Area (for carbon monoxide, ozone, or PM 10)? ☐ Yes ☒ NoExempt from Air Quality conformity requirements? ☐ Yes ☒ No

Based on Air quality modeling conducted for the project, including hot spot analysis at four intersections, no air quality exceedances are expected.

2. Critical/Sensitive Areas Identify any known Critical or Sensitive Areas as designated by local Growth Management Act ordinances.**a. Aquifer Recharge Area, Wellhead Protection Area, or Sole Source Aquifer**

The Kirkland Well Field, operated by KC Water District No.1 is located approx. 3000 ft. downgradient from the project. I-405 crosses the wellhead protection area. Stormwater discharge from the project will be routed around the wellhead protection area to avoid impacts.

b. Geologically Hazardous Area

A landslide hazard area is located near the northern terminus of the project, just south of the SR 522 interchange. An ancient landslide slope has been identified at this location that will be stabilized by constructing a retaining wall on the west side of I-405.

c. Habitat List known species.**(1) Threatened/Endangered Species or Priority Habitat or Species.** Indicate state or federal listing.

Chinook - Federal Threatened, Bull Trout - Federal Threatened, Bald Eagle - Federal & State Threatened, Coho salmon - State Priority, Resident Cutthroat - State Priority

(2) General fish and wildlife habitat

Chinook, Coho
Landscaping, plants, Douglas fir, pine, ruderal vegetation.

d. Wetlands. Estimate impacted categories and acreage.Are wetlands present? ☒ Yes ☐ No

Estimated Acres Impacted: 0 Acres

Wetlands Estimate impacted categories and acreage Estimated Acres Impacted:

	Kirkland	King County	Bothell	Total
Temporary	0.050	0.031	0.099	0.180
Permanent	1.229	0.235	0.136	1.600

3. Cultural Resources/Historic Structures Identify any historic or archaeological resources.

An archaeological survey of the project area and research into archaeological and/or historic features was conducted for the project. No resources were identified in the project area.

4. Flood Plains or WaysIs the project located in a 100-year flood plain? ☐ Yes ☒ NoIf yes, is the project located in a 100-year floodway? ☐ Yes ☒ NoWill the project impact a 100-year flood plain? ☐ Yes ☒ No**5. Hazardous and Problem Waste**

Identify potential sources and type.

Is project likely to involve site clean-up? ☐ Yes ☒ No

A records search of Environmental Data Resources, Inc., and the Department of Ecology files was conducted along with a windshield survey of recorded sites in the vicinity of the project. No sites were identified within the project area.

6. Noise Identify potential sensitive receptors or previous mitigation commitments.

No previous commitments were identified. On the basis of noise modeling along the project area, noise walls will be constructed at 6 locations and relocated to the edge of R/W at 4 other locations.

7. Parks, Recreation Areas, Wildlife Refuges, Historic Properties, or Scenic Rivers/Byways, 4(f)/6(f) Lands

Identify areas of impact.

None

8. Resource Lands Identify areas of impact.

a. Agricultural

None

b. Forest/Timber

None

c. Mineral

None

9. Rivers, Streams (continuous, intermittent), or **Tidal Waters**

a. Identify by name, proximity to project, and Washington Stream Catalog Number.

Fisheries WA Stream No. _____

Ecology 305b Report No. _____

b. Identify stream crossing structures by type

(1) Juanita Creek/ WA69TP/ 0230,0235, 0238, 0241/ Culverts under I-405 (2) Forbes Creek/ BG76BX/ 0242/ Culverts under I-405 (3) Yarrow Creek/ IE91MG/ 0252/ Culverts under I-405 (4) Sammamish River/ CA16HI/ 0057/ More than 200 feet from the nearest project feature, a stormwater treatment and detention pond

10. Tribal Lands Identify.

None

11. Visual QualityWill project impact roadside classification or visual aspects? ☐ Yes ☒ No

A visual quality assessment was conducted for the project. Since almost all of the project will take place within the existing I-405 right of way, views to and from the project will not be substantially altered. WSDOT is working with an advisory committee from the City of Kirkland to apply context sensitive solutions to maintain or enhance visual quality at some locations.

12. Water Quality/Storm WaterIs project likely to increase runoff or affect water quality? ☒ Yes ☐ NoWill project include water quality/quantity treatment for the new pavement? ☒ Yes ☐ NoWill project include water quality/quantity treatment for existing pavement? ☒ Yes ☐ NoHas a NPDES municipal general permit been issued for this WRIA? ☐ Yes ☒ No

Water quality and stormwater management features are being designed to WSDOT's Highway Runoff Manual (2004). The project will enhance water quality treatment for approx 381 % of new impervious surfaces created by the project. Stormwater from approx 99.6 % of new pavement areas will be detained and released slowly, keeping flow rates at levels similar to predevelopment decisions.

13. Have previous environmental commitments been made in project area? Identify.☒ Yes ☐ No

Yes, the I-405 Corridor Program EIS and Record of Decision both contain project commitments.

14. Are long-term maintenance commitments necessary for this project? Identify.☒ Yes ☐ No

Yes, commitments will include maintenance of roadway surfaces, roadside vegetation, ecology enbankments, and stormwater detention facilities. In addition, maintenance of the Forbes Creek Fish Passage and Fishway.